1. The system of equations $x + y = 5$ and $2x + 2y = 10$ is:
   A. Consistent and dependent
   B. Consistent and independent
   C. Inconsistent
   D. None of these (A)

Explanation : The second equation is a multiple of the first, indicating infinitely many solutions.

2. The equations $5x - 4y + 8 = 0$ and $7x + 6y - 9 = 0$ are:
   A. Parallel B. Coincident
   C. Intersecting D. None of these (A)

Explanation : The lines are parallel as the ratios of coefficients are not equal.

3. The equations $9x + 3y + 12 = 0$ and $18x + 6y + 24 = 0$ are:
   A. Coincident
   B. Parallel
   C. Intersecting
   D. None of these (A)

Explanation : These equations represent the same line, so they are coincident.

4. The system of equations $6x - 3y + 10 = 0$ and $2x - y + 9 = 0$ is:
   A. Consistent B. Inconsistent
   C. Parallel D. Coincident (A)

Explanation : The lines intersect at a point, hence the system is consistent.

5. The system of equations $3x + 2y = 5$ and $2x - 3y = 7$ is:
   A. Consistent and independent
   B. Inconsistent
   C. Dependent
   D. None of these (A)

Explanation : The system has a unique solution, hence it is consistent and independent.

6. The equations $2x - 3y = 8$ and $4x - 6y = 9$ are:
   A. Consistent
   B. Inconsistent
   C. Dependent
   D. Independent (B)

Explanation : The lines are parallel and do not intersect, so the system is inconsistent.

7. The system $3x + 5y = 7$ and $9x + 10y = 14$ is:
   A. Consistent
   B. Inconsistent
   C. Coincident
   D. Parallel (A)

Explanation : The system is consistent as the equations are proportional and represent intersecting lines.

8. The system $x + y = 5$ and $2x + y = 6$ has:
   A. Infinite solutions
   B. One solution
   C. No solution
   D. None of these (B)

Explanation : Solving the system gives a unique solution: $x = 1$, $y = 4$.

9. Which system is inconsistent?
   A. $x + y = 5$, $2x + 2y = 10$
   B. $x + y = 5$, $2x + 2y = 8$
   C. $3x + 2y = 5$, $2x - 3y = 7$
   D. $x + y = 5$, $2x + y = 6$ (B)

Explanation : The second equation does not satisfy the system, making it inconsistent.

10. The system $5x - 3y = 11$ and $-10x + 6y = -22$ is:
    A. Consistent B. Inconsistent
    C. Dependent D. None of these (C)

Explanation : The second equation is a multiple of the first, indicating dependent equations.